

12-5-1922

The Tech News Volume 14, Issue 10, December 5 1922

The Students of Worcester Polytechnic Institute

Follow this and additional works at: <http://digitalcommons.wpi.edu/technews>

Recommended Citation

The Students of Worcester Polytechnic Institute, "The Tech News Volume 14, Issue 10, December 5 1922" (1922). *Tech News All Issues*. Book 758.
<http://digitalcommons.wpi.edu/technews/758>

This Article is brought to you for free and open access by the WPI Student Publications at DigitalCommons@WPI. It has been accepted for inclusion in Tech News All Issues by an authorized administrator of DigitalCommons@WPI.

TECH NEWS

VOL. XIV

WORCESTER, MASS., DEC. 5, 1922

NO. 10

NEW ISSUE OF THE JOURNAL

Alumni Doings

The recent November issue of "The Journal" is a very excellent one both in quality and quantity. The statement of the group endowment funds is an altogether new and unique article. There is also an excellent article on the Alumni which should be of great interest to the student body. These, together with the numerous pictures, new and attractive advertisements, and the quality of the paper not only tend to make this number without reproach but to show with what popularity it is being received.

The New York Association will hold its annual dinner on Friday, evening, Dec. 8, at the Machinery Club. Prof. A. W. French will be one of the principal speakers, while Prof. Taylor, who will represent the Alumni Association and several members of the faculty will attend.

A meeting of the Southern Connecticut Alumni will be held Saturday noon, Dec. 9, at the Union League Club of New Haven. Prof. Taylor will speak on alumni affairs in general and the trend of events on the Hill.

Henry L. Kinsley, 74, Wellesley, Mass., New England Representative of the Warner & Swasey Co., machine tools, died Wednesday, Nov. 22, at the Natick Hospital, Natick, Mass., following an operation. He was a native of Stoughton, Mass., and was born sixty-eight years ago. Practically all his business life was spent in the machine tool industry. He represented the Warner & Swasey Co., with offices at Boston, for more than fifteen years, and probably was one of the best known machine tool men in the New England territory. Previous to his association with the company he was with the Fairbanks and the Manning, Maxwell & Moore Companies.

E. H. Root, a member of the class of 1919, was a recent visitor at the shops.

M. C. Nelson, '02, is attending the New York meeting of the American Society of Mechanical Engineers, as the representative of the Local Section, and C. F. Hawley, a senior in the Mechanical Engineering Department, will represent the Worcester Polytechnic Student Branch.

CARNIVAL DATE POSTPONED

Plans Not Completed

The sixth annual Tech Carnival which was to have been given the latter part of next week has been postponed until after the Christmas vacation.

The entertainment will be changed in some ways from the former years when each of the fraternities or other clubs gave short acts. It has been planned that this year the Sophomore and Freshman classes each give a play. In addition to these two acts the Glee Club and Mandolin Club will furnish several selections.

Dancing will follow the entertainment, during which refreshments will be sold.

C. E. SOCIETY HOLDS MEETING

Plans Formulated

At the meeting of the Civil Engineering Society held last Monday afternoon at four o'clock plans were formulated for the meetings to be held later. It was decided to have two regular meetings every month—one on the first Friday evening of the month, and the second on the third Monday afternoon at four o'clock. The meetings held on Monday afternoons will be in charge of the students, who will read original papers, while it is planned to engage some prominent business men, connected with Civil Engineering, to speak at the Friday evening meetings.

The regular program is being laid out at present, and President Kenneth C. Roberts states that it will be announced in a short time. The meetings will be held as planned, unless they conflict with some other important affair on the Hill.

The next regular meeting will be held next Friday evening, December 8, at which time the Sophomores taking the Civil Engineering course will be taken into membership of the society. Following the short business meeting, a man from the Warren Paving Company, of Boston, will speak on "Paving."

RIFLE CLUB HAS MEETS

Meeting This Week

The Rifle Club is now well under way. A meet has been arranged with M. I. T. and also one with Dartmouth, except for the settling of the date. Prospects for more meets seem to be good.

A fair percentage of the members have been practicing regularly, but there are still a number who have not been out. These, and also any others interested in the rifle club, are expected to be out this week. New equipment has arrived, and several more guns are now in perfect order, so that no one need fear a shortage in rifles.

There will be a meeting of the club this week, the date of which will be posted on the bulletin board during the week.

GYM CLASSES INDOORS

Statistics Soon Ready

In the Freshman Physical Education lecture last Wednesday, Nov. 22, Prof. Carpenter announced that the Freshman and Sophomore Physical Education classes would be held in the gymnasium, beginning Monday, Nov. 27. Therefore the usual division soccer games, which were held out of doors, will be substituted by class exercises, indoor track events and basketball. Prof. Carpenter announced that the Freshman physical examinations were nearly completed and that, at the end of another week, he would be able to begin averaging the results. This means that in a short time the statistics on the "Average Tech Freshman" will be ready.

SKEPTICAL CHEMISTS MEET

Interesting Papers Read

The regular meeting of the Skeptical Chymists was called to order at 7:45 P. M., Monday night, Nov. 27, 1922, by President Seidel. The possibility of getting two or three industrial movies to show at meetings next term was discussed. The first speaker, F. E. Wilcox, spoke on the use of Vanadium, a drier for paint oils. This was an interesting and instructive topic. Mr. Richardson spoke next on the early Chemical Industries of America. The Indians, with their processes of dyeing and starch extraction, were found to have been the first to practice the art in this country. A discussion of the protective tariff as regards chemical industry was the result of this talk.

H. S. Nutting came next with a series of interesting chemical experiments. L. V. Quigley wound up the program with a talk on the glands of the human system with their functions and chief characteristics. We found that we were tall, short, black, white, brainy or natural, bald or otherwise, all because of different glands.

Oysters on the half slice of toast and goblets of cocoa were imbibed and enjoyed by all.

CHEMISTRY NOTES

Alumnus Publishes Article

The department of Chemistry has received recently from the Peerless Color Company of Plainfield, N. J., samples of dyestuffs of various products of pruneline.

Professors Jennings and Zinn attended a meeting at Yale University of a small organization of which they are members, consisting of a number of the professors of chemistry in the New England colleges and universities. Opportunity was afforded of inspecting the new chemical laboratory which has just been put into service.

There has just been received a reprint of an article by Dr. E. K. Strachan of the class of 1908 on the recent "Progress in Organic Electrochemistry." This article appeared in the October number of the Journal of Industrial and Engineering Chemistry and gives a very good review of the applications of the electric current to the production of numerous important organic substances.

Professor Jennings gave the paper before the Mendel club of the College of the Holy Cross on the "Chemical Phenomena of Life" last Thursday evening.

Due to a slip-up on our part the most important item of last week's issue, was omitted.

C. F. Merriam of the M. E. Department, is the proud father of a daughter, Ann Sewall, who arrived the morning of the 22nd.

VARSITY BASKETBALL STARTS INTENSIVE TRAINING

Squad Feels Swing of Axe

RESUME OF SOCCER SEASON

Four Games Won

Tech's Soccer team finished a very successful season on Sat. Nov. 18, when it defeated Slater's Mills in a fast game. This was the fourth victory out of a total of six games played. A glance at the list of games played and the scores will show, to some extent, the success of the season.

The outlook from the first was bright, there being many men from last year's team who responded to coach "Billy" Jenkins' call for players. These men, among whom were Chen, Topenalian, Judson, Shaw, Seaver, Leyland, and Denault formed a nucleus around which our team was built.

Larter, Sundvall, Lamay, Chow, MacElroy, Higgins, Nelson and Rey will be with us next year and will form a nucleus for next year's team.

The season started as it should with Tech on the large end of a 5-2 score against Clark. Although the game was rather rough the team showed exceptionally good teamwork and several times after carrying the ball down the field passed it to Chen or Chou who succeeded in placing it between the posts five times.

Amherst was the next victim to succumb to Tech's prowess but only after a hard fought battle which went three overtime periods. Tech's backs repeatedly took the ball from the Amherst forwards and carried it back down to our own forwards. The game finally ended when Chou kicked the goal.

The third game was with the strong Whittall team. Tech managed to run up three goals to Whittall's two in the first half. The game was hard fought in the last half but no one scored.

The first defeat of the season came from Dartmouth. Tech was ahead 2-1 at the end of the first half but was snowed under in the next half. The team showed fine fighting spirit but the consistent work of the Dartmouth team was too much for them.

Tech lost to the Chinese students of Greater Boston. The Chinese were the first to score but Tech came back and held the lead until the last few minutes of play when the visitors succeeded in scoring twice.

The last game of the season was very gratifying. The team came back after their two defeats and whitewashed the team from the Slater Mills 3-2. The fine team work and defensive playing of the backs kept the visitors away from the goal.

Schedule and scores:

Clark, 2	W. P. I. 5
Amherst, 2	W. P. I. 3
Whittall's, 2	W. P. I. 3
Dartmouth, 3	W. P. I. 2
Chinese of Boston, 3	W. P. I. 2
Slater's, 0	W. P. I. 3

With the first game of basketball on our schedule less than two weeks away, Coach Bigler is working the candidates hard and fast to get them into condition. Time for practice is still limited because of the interfraternity basketball series and this will necessitate exceptionally strenuous practice when the squad does get on the floor, since thus far there have been but three practices a week. Last week saw the first scrimmages of the season and also the first swinging of the axe which cut the squad almost in two, leaving twenty men on the squad.

The fourth practice session of the season was held last Tuesday night with thirty-eight men reporting to the coach. The preliminary practice consisted of shooting baskets and practice in dribbling and floor work after which a stiff scrimmage took place for fifteen minutes in which all the candidates had a chance to get into the fray and show their worth. As this was the first hard scrimmage of the season the coach did not keep the men at it for a very long period.

Practice was again held Friday night and Coach Bigler swung the axe for the first time. The nearness of the first game necessitated this sudden cut in order that the coach have a squad of a workable size on the floor. The men surviving the cut are White, Berry, Whelpley, Delphos, Sharpe, Higgins, Hurd, Leyland, Beckley, McAuliffe, Nelson, Topenalian, Kizirbohsian, Wahlberg, Calder, Dimick, Lyman, Bittner, Parsons, and Moran. The practice period ended with a long, hard scrimmage which brought out some of the speediest play thus far seen this year. There is bound to be a stiff fight for the forward positions. Whelpley and Delphos with plenty of experience behind them are going strong again this year with Sharpe, who has been displaying a wonderful brand of basketball in the Interfraternity series, Hurd and Bittner pushing them to the utmost. These three men are showing up well in practice and no doubt will be seen on the first squad when the first game rolls around. Sharpe, although handicapped somewhat by size is an exceptionally fast man on the floor, fits into any passing game nicely and is a crack shot, being able to drop them in from almost any position. Bittner, a Freshman, is showing up well and is attracting attention by his snappy team work.

Capt. White is fast getting back into his old-time form and will undoubtedly this year play the game that Pickwick played last year, that of the roving guard. White has a splendid eye for the basket and should be able to figure prominently in Tech's scoring game. The other guard position is as yet uncertain but thus far in practice Beckley and Higgins have been alternating with each other in filling it. They are both showing up strong and will both

(Continued on Page 3, Col. 3)

TECH NEWS

Published every Tuesday of the School Year by

The Tech News Association of
Worcester Polytechnic Institute
TERMS

Subscription per year \$2.00
Single Copies .07

EDITORIAL STAFF

I. Warren Bell, '23 Editor-in-Chief
Edwin B. Coghlin, '23 Managing Editor
Edmond G. Reed, '23 Athletic Editor
Walter W. Mestall, '23 News Editor

Helge S. Johnson, '24 Junior Editor
Stanley P. Johnson, '24 Junior Editor
Walter T. MacAdam, '24 Junior Editor
David J. Minott, '24 Junior Editor
Richard F. Whitcomb, '24 Junior Editor
Alfred P. Storms, '24 Junior Editor

BUSINESS DEPARTMENT

Philip J. Robinson, '23 Business Mgr.
Charles S. Williams, Jr., '24 Adv. Mgr.
Frederick H. Brigham, '24

Subscription Mgr.

REPORTERS

Contributing to this issue
D. B. Nelson, '26 C. F. Hawley, '23
C. C. Smith, '25 E. A. Throver, '25
W. E. Stevenson, '25 D. G. Downing, '26
R. C. Jordan, '25 K. J. Smith, '25
E. G. Skogberg, '25 A. D. Hunter, '26
G. Buddy, '26 J. K. Stetter, '25
K. H. Pratt, '25

All checks made to the Business Manager.

Entered as second class matter, September 21, 1910, at the postoffice in Worcester, Mass., under the Act of March 3, 1879.

THE HEFFERNAN PRESS
Spencer, Mass.

December 5, 1922

EDITORIAL

In an editorial in last week's NEWS, our attention was again called to the apparent lack of spirit at Tech, and a remedy for this defect was suggested, namely, that there be no classes on Saturday morning. This plan seems to be one of the most excellent suggested, but, again, it is questionable whether the morning picked would be the best. There is always a strong temptation for the fellows to make their plans to spend the week-end away from Tech if there is sufficient time. By not having any classes on Saturday the chance would be given, and the probable outcome would be a drop in scholarship, for some of the Friday classes would also be hit. As things appear this plan would not be very wisely taken.

Still, why not work along the same idea, that is, condense the work into ten half days instead of eleven? In other words, take some other day instead of Saturday when the entire student body would be free from classes. It does not seem that by so doing any excessive amount of work would be forced upon any other day, nor would it be extremely hard for the committee to arrange the schedules according to the plan.

Any afternoon might do, but would not Wednesday be the logical time? As was suggested last week, inter-class games could be arranged and thereby throw the student body more closely together, creating a feeling of better fellowship and an increased amount of enthusiasm and interest in Tech affairs. This plan would give a day in the middle of the week upon which preparations for different events would take place, and everybody, being free, could do their part. This would be especially beneficial to baseball and football where it is necessary to have daylight to practice. It would give a whole afternoon which the coaches could use as they thought best. It would also make the arrangements for mid-week home games possible.

Everything that we do, we want to do for the betterment of Tech and ourselves. If there is enough sentiment

for some plan such as this, or any other, its fulfillment can be brought about through the co-operation of the faculty and the students for the advancement of Tech.

CHEER LEADERS AND BAND

At present there are only two cheer leaders who have had any experience and one of these is a Senior who will be lost after this year. This is a splendid field for work in which a fellow can do wonders for Tech and be amply rewarded at the same time for his efforts. The first basketball game will be held very soon, in fact a week from Saturday night. Before that time there is plenty of opportunity to round into shape a staff of cheer leaders who can do the school justice. What we need at present are a few men from the three lower classes who are willing to put a little time into this field of activity. Those men who care to try it are requested to report to the Head Cheer Leader, Wednesday at 5:00 o'clock, in the Gym. If any one knows of a good man it is their duty to make him come out and at least look into the new system which is being contemplated.

The Band is another organization which is going a long way toward making our basketball season a success. At the regular practice of the Band tonight, at 5:00 o'clock in the Gym, it is hoped that twenty-five or thirty pieces will turn out. The Band will play at all the home games and in order that a good showing will be made, it is imperative that all the members be present at the practices from now until next spring. Get in touch with the Leader and back him at all times.

SOMETHING YOU CAN'T GET

For fear you missed this bit of an editorial from Collier's, we pass it along. "Nobody can get an education. It is one of the things which can't be injected into a human being. Education is the 'drawing out' of the human mind. It is the bringing into action of latent powers. It is creative. It is not a logical process. In all logic we must have a thing before we can use it; but in human life it quite often happens that we must use a thing before we really have it—before it exists. Muscle, for instance, and brains, love, friendship—practically everything which is distinctly human comes into existence through its use. If you wait till you have muscles before you exercise them, you will never have any muscles to exercise. If you wait till you have friends before you love them, you will never have any friends to love. If you wait until you have intelligence before you use it, you may become all kinds of an erudite doctor but you will never be able to think." That sounds like pretty sound stuff to us. If we are going to build we had better begin using our tools.

THE NEW JOURNAL

The "Journal" has passed a quarter-century of useful service to the Institute, and begins its second quarter-century in a new form. The very recent November issue is the first of the new series of the "Journal," and is under a larger and more pleasing cover than former numbers. The goodness of the magazine is not confined to the cover, however, but is carried throughout the whole. This best can be explained by hints as to the contents of the November issue.

This issue tells of the distinctions, which several of the graduates have recently attained, in articles such as: "Tech Man's Part in the Five Million Dollar Eastman Theatre," and "Who Saw the Radiophone Broadcasting Vision." In these articles and in others like them the "Journal" presents to the readers the high attainments

reached by our graduates. Never does one hear too much of these great engineering achievements, and in setting them forth the "Journal" does a fine amount of advertising for the school. The "Journal" keeps the interest of the alumni in the school further by telling of activities on the Hill including reports on sports, dramatics, music and social events.

Further than this the "Journal" gives news from individuals of the alumni, thus keeping up the interest in old classmates, and thus in Tech itself.

The NEWS wishes to congratulate the "Journal" on its progressiveness and growth in its first twenty-five years, and wishes to express the hope that it will continue to thrive in its usefulness to the Institute through many more quarter-centuries.

RADIO—A LIBERAL EDUCATION

An eminent specialist on administration told me once that all executives should have engineering training. This has not been possible in the past, but it is becoming possible now, because the scientific education of our engineering schools and institutions produces trained minds which have been found to have superior qualifications in all positions.

It is true that engineering is a part of a liberal education, alongside of mathematics and Latin, it is particularly true of electrical engineering, and I venture to say that of all branches of electrical engineering, radio engineering has the greatest educational value. To prove this thesis I should like to point out some of the interesting aspects of radio engineering.

A technical subject, to have an educational value, should have theoretical, practical and human aspects.

From a theoretical point of view, radio engineering has extraordinary possibilities. It presents a set of phenomena of the most varied nature, all of which are capable of exact and logical analysis. Wave motion in space, wave motion in wires, absorption of energy in a semi-conducting ground under an antenna; oscillating circuits, electronic discharge in vacuum under the influence of electric and magnetic fields; the behavior of iron in a high frequency magnetic field, etc., almost ad infinitum.

The practical aspects of radio engineering are no less numerous, and so well known that they need not be mentioned specifically. In relation to the experimenter and educator, the practical aspect of the technique has, however, a greater significance than in any other branch of engineering. Other theoretical experiments must work under artificial conditions in a laboratory, whereas the radio experimenter is in touch with the ultimate realities. He has the whole world for his laboratory, and therein he may choose at will what assistance he desires for his various experiments. He may mingle with his fellows in the vagaries of short-wave work, and he may reach out over the continent some night with his own transmitter, even spanning the Atlantic when all conditions happen to be in his favor.

He may prefer to gather in the "free speech" that, so appropriately, is available in this country of ours, and, by enlarging the tiny incoming words to giant size, he can fill a huge hall with the whispers of someone hundreds of miles away. He may listen to the ships dotting the ocean, or he may choose the longer wave lengths till the giant voices which talk from land come to him and he hears a dozen countries talking to each other. The inspiring thought comes to him after a time that the majority of them speak his own language.

Over every field of human endeavor stretches the field of the radio transmitter. In an airplane speeds a young radio engineer, testing out some new

MISS RUBY H. DAY

Cordially invites Tech Students to attend her
WEDNESDAY AND SATURDAY ASSEMBLIES
8:15 to 11:30—Subscription 30 Cents
TELEPHOREAN HALL

Class for Beginners—Particulars on Application
Studio 311 Main Street Tel. Park 5092

form of radio compass, or a newly developed transmitter.

On land, he learns the fascinations of the railroad world, as he talks from the Twentieth Century Limited to some distant signal tower. He joins hands with the entertainers of the world as he speeds their joyousness, through the medium of the broadcasting station, to lonely homes afar.

At sea, he installs a telephone radio set and calls up land central to plug him in some local desk telephone in a city in the Middle West.

Even under the sea, he listens in on the loop antenna of a submerged underwater craft, and catches the orders of the flagship above.

The radio engineer is one of the most broadminded of the entire engineering fraternity, because he meets with, and exchanges ideas with so many other engineers of divergent callings, in the pursuit of his daily task.

POLICE RUDELY INTERCEPT SOLEMN RITES AT CLARK

Clark College initiations threw the neighborhood of University park into an uproar early last night and disrupted police routine in both the Grand street and Waldo street stations.

Two youths who were being initiated into the mysteries of the Alpha Sigma Alpha fraternity, and who refused to give their names to the police, were standing in two feet of water in the pond when they were spotted by neighbors.

An excited woman resident of the park district telephoned to Lieut. Thomas J. Healey at station 3 that a man was standing in the pond shaving himself, and that another lad was standing in another place in the water delivering a lecture.

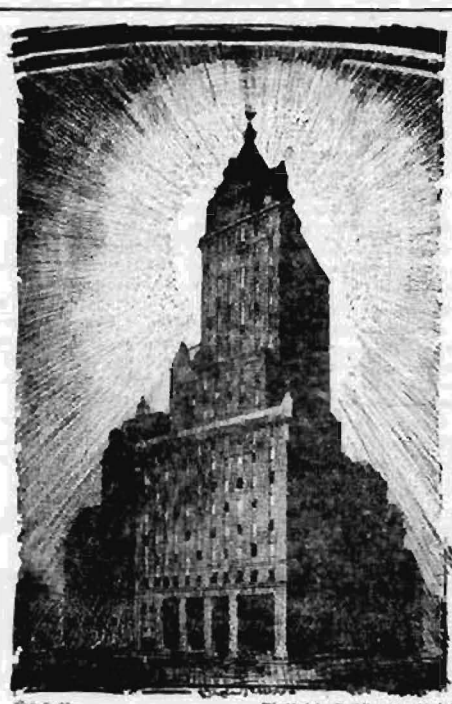
Police details from both stations in charge of Sergt. John F. Tierney and Sergeant Robert J. Northbridge, were rushed to the park in anticipation of trouble.

The officers found that one of the pair had picked a spot in full view of the home of Capt. James T. Johnson of station 1, and that he had his shaving soap, brush and razor at work. His dainty attire included pink garters and a new pair of oxfords, which he explained were part of the properties for the art.

The young man said that he had been ordered to neglect his daily shaving for a week in preparation for the ceremony, and that he was supposed to stay in the water for half an hour.

On the other side of the pond Sergt. Tierney ordered the second lad to get to shore. The student was wearing a false moustache and explained that he was giving an energetic imitation of Scott Nearing.

Dr. Northbridge delivered to the pair a short but snappy lecture on causes and symptoms of pneumonia, and Sergt. Tierney concluded the program with a free and threatening dissertation on the evidence required to make two arrests for disturbing the peace, and the two fraternity candidates were ordered out of the park—Clipping from a Worcester newspaper.



© E. E. CO.

The Hooker Building, New York City
Warren & Wetmore, Architects

Architecture—Today and Tomorrow

THE great buildings of today, designed in masses which rest rugged, mounting profiles into the sky, foreshadow even greater and more massive structures for the next half century. Always a close co-ordination of architecture and engineering, of design and construction, the structure of the future will find architect and engineer working ever more closely together.

Certainly modern invention—modern engineering skill and organization, will prove more than equal to the demands of the architecture of the future.

OTIS ELEVATOR COMPANY
Offices in all Principal Cities of the World

INTER-FRATERNITY BASKETBALL

PHI GAM-27, DELTA TAU-4
PHI SIG-13, S. A. E.-6

Monday night, November 27th, the third week of the inter-fraternity basketball series opened with two rather one sided games. Phi Sigma Kappa beat Sigma Alpha Epsilon 13 to 6 in the opening contest and Phi Gamma Delta trounced Delta Tau 27 to 4 in the second game of the evening. The first game was the most interesting as S. A. E. gave Phi Sig. considerable opposition at times. In the other game Phi Gam. lost Delta Tau entirely, Delphos and Lyman of Phi Gam. scoring at will.

In the first game Phi Sig. led S. A. E. throughout the entire contest. "Hap" Nilson put up his usual good game for Phi Sig. Anderson ably seconded his efforts. In the second half Goodwin replaced Perry in the S. A. E. line-up and for a time S. A. E. showed considerable fight. However, Judson was hurt and forced to withdraw from the game. This weakened the S. A. E. team considerably. Calder played a good game for S. A. E. and Parsons played well for Phi Sig. S. A. E. missed several "sucker" shots, under the basket, in the last half. Phi Sig's superior teamwork and the clever shooting of Nilson and Anderson were the main factors in the victory.

Score:
PHI SIG-13 6-S. A. E.
Nilson if _____ if Wilson
Anderson rf _____ rf Perry Goodwin
Scott, Goddard c _____ c Nelson
Bell, Gleason lg _____ lg Judson, Martin
Parsons rg _____ rg Calder
Goals: Nilson 3, Anderson 2, Parsons, Calder. Free tries, Calder 2, Nilson, Judson, Nelson. Score, first half, Phi Sig. 7, S. A. E., 3.

In the second game Phi Gam. handed Delta Tau a severe drubbing. Delphos was all over the floor. He repeatedly dribbled through the entire Delta Tau team for scores. Delta Tau's passing was poor and lack of teamwork lost them any chance they had of winning the game. The clever passwork of Delphos and Lyman had

the Delta Tau team baffled. Delphos scored consistently from all angles. In the first period McInnes scored a pretty basket. The ball was loose under the basket and by some clever sleight of hand the lanky center tapped the ball into the net. In the second half Johnson and Haley replaced Wiggins and Bird and for a few minutes Delta Tau gave Phi Gam. some opposition. However, Phi Gam. put on more speed and drew ahead. Delphos played a whirlwind game for Phi Gam., scoring 7 baskets from the floor. Lyman was right behind him with 4 baskets and 5 free tries. Martin played well for Delta Tau. Delta Tau was held scoreless in the second half. Score:

PHI GAM-27 4-DELTA TAU
Lyman lf _____ lf Martin
Delphos rf _____ rf Horne
McInnes c _____ c Bird, Haley
Reese lg _____ lg Jordan
Fleming rg _____ rg Wiggins, Johnson
Goals: Delphos 7, Lyman 4, McInnes, Martin. Free tries: Lyman 5, Horne 2. Score, first half, Phi Gam. 11, Delta Tau 4.

FRATERNITY NOTES

Phi Gamma Delta

A formal dance was held at the house Thanksgiving eve. Brother and Mrs. F. H. Schopfer, Brother and Mrs. W. S. Pratt acted as chaperons.

Sigma Alpha Epsilon

"Russ" Pearson, ex-21, Claire Sperry, ex-23, and "Judge" Peterson, ex-23, were recent visitors at the house.

Theta Chi

About fifty were present at the annual Thanksgiving banquet held at the house Tuesday, Nov. 28. Among those present were "Bill" Cooney, '22, and "Dick" Field, '22. "Tacks" Brown, ex-21, and "Bob" Perry were also recent visitors at the house.

Lambda Chi Alpha

Roger Grimwade, '20, and Francis I. Kittridge were recent visitors at the house.

Many friends and members were entertained at the house over the weekend.

Alpha Tau Omega

Alpha Tau Omega will hold a House Dance Saturday evening, Dec. 9, 1922. Alpha Tau Omega wishes to announce the installation of the North Dakota, Delta Nu chapter at the University of North Dakota on Nov. 25, 1922.

Phi Sigma Kappa

Fred Pickwick, '21, visited the house on his way to a new position with the Hercules Powder Company in New Jersey.

Donald Farnsworth, ex-'20, has announced his engagement to Miss Victoria Johnson of Worcester.

Bill Dudley, '20, attended the dance at the house Saturday evening.

F. K. Brown, '20, H. Fay Baldwin, A. L. Brown and Austin Welch, '18, were recent visitors at the house.

Delta Tau

Among the associates present at the dance at the Oaks last Saturday night were E. D. Johnson, '20, W. P. Doolittle, '17, C. H. Coolidge, '15, R. M. Lovell, '18, and M. J. Quimby, '20. Mr. and Mrs. Russell Hirst, '19, were visitors at the house.

S. M. Maddock and N. G. Loud, both ex-'24, were at the house last week. Maddock is now at M. I. T. and Loud expects to return to the Institute next fall.

VARSITY BASKETBALL

(Cont. from Page 1, Col. 1)

undoubtedly see plenty of action before the season is far advanced. At center Coach Higler has been using McAuliffe in the absence of Tom Berry.

Last Sunday afternoon the squad held the longest and most strenuous practice thus far this year, and the coach kept every man working at top speed. Berry was out in uniform for the first time this year and his appearance seemed to put more life and pep in the squad. His knee, however, is not wholly recovered as yet and consequently the coach limited his work to shooting baskets. Tom showed that he still had his eye by dropping them in from all angles. If his knee continues to show the improvement it has the last couple of weeks, Berry should be in condition to play the opening game on December 16th.

Since the last issue of the NEWS which contained our basketball schedule to date, Manager Dick Kimball has succeeded in booking another home game. This game is with Brooklyn Polytechnic Institute on the night of December 16th. The first game as the schedule stood a week ago was with Brown in Providence on January 9th, but as the coach wished to have the first game on our home floor, Manager Kimball succeeded in booking Brooklyn Poly.

PHYSICS NOTES

Dr. Duff is in Chicago attending a meeting of the American Physical Society. He is presiding at a meeting of the committee on education of which he is chairman.

The Du Nouy apparatus purchased by the Physics Department last summer is proving very satisfactory. This apparatus, which is used for measuring surface tension, is now being used by the Junior chemists.

A. S. M. E. MEETING

The next meeting of the Student Branch of the A. S. M. E. will be held Wednesday, Dec. 6. The speaker will be Mr. Vernon C. King of the class of 1909. Mr. King is the Safety Engineer with the Wickwire-Spencer Steel Corporation. The subject of the talk will be "Safety Engineering" and will probably be illustrated.

Recent notable additions to the M. E. Library are "Aeroplane Engines," by Marks, and "The Life of George Westinghouse." As new books are added, they are reviewed by members of the department faculty. These reviews are filed and are available to students who are urged to consult them in order to learn the scope and value of the books they wish to use for reference.



★ PORTRAIT OF J. DALTON

BY JOHN LONSDALE

The Quaker who made Chemistry a Science

CAVENDISH had shown that two volumes of hydrogen and one of oxygen always combine completely to form water and nothing else. Proust, a Frenchman, had proved that natural and artificial carbonates of copper are always constant in composition.

"There must be some law in this," reasoned Dalton (1766-1844), the Quaker mathematician and school teacher. That law he proceeded to discover by weighing and measuring. He found that each element has a combining weight of its own. To explain this, he evolved his atomic theory—the atoms of each element are all alike in size and weight; hence a combination can occur only in definite proportions.

Dalton's theory was published in 1808. In that same year, Napoleon made his brother, Joseph, king of Spain. This was considered a political event of tremendous importance. But Joseph left no lasting impression, while Dalton, by his discovery, elevated chemistry from a mass of unclassified observations and recipes into a science.

Modern scientists have gone beyond Dalton. They have found the atom to be composed of electrons, minute electrical particles. In the Research Laboratories of the General Electric Company much has been done to make this theory practically applicable so that chemists can actually predict the physical, chemical and electrical properties of compounds yet undiscovered.

In a world of fleeting events the spirit of science and research endures.

Why Young Men Should Consider Insurance Selling

Seven Reasons for Life Insurance Career

LIFE INSURANCE is founded on the highest ideals.

It is capable of yielding a good income and the satisfaction of accomplishment.

It offers opportunities for real leadership.

It brings insurance salesmen in close association with big business and big business men.

It requires education in business methods, law and finance.

It is a field for workers, not shirkers.

It is an alluring and practical calling for men of dynamic energy.

John Hancock
LIFE INSURANCE COMPANY
OF BOSTON, MASSACHUSETTS

General Electric
General Office Company Schenectady, N.Y.

Boston Brockton Beverly Lynn Hyde Park Providence Worcester
Springfield Salem Hartford

Headquarters For Tech Men

KENNEY-KENNEDY CO.

New England's
Largest, Livest, Leading Clothiers
Kuppenheimer's Clothes
Stetson Hats, Manhattan Shirts

RADIOLOGY

is best talked by RADIOISTS of long experience

Tubes, Rheostats, Sockets, Magnet wire, Switches, Transformers, Grid leaks, Phones always in stock
See our display of Student Lamps

The W. D. Kendall Co.

The Old Reliable

208 MAIN STREET TEL. PARK 5723

POLI'S

THE REACTION

for the
CHEMIST

and the
RECREATION

for the near Student

The Horace Partridge Co.

557 Main Street, Franklin Square
Manufacturers

ATHLETIC AND SPORTING GOODS
Discount allowed all Tech Students

GEORGE W. JONES, Mgr.
Coach W. P. I. Football and Baseball.
1914-1915

OPTOMETRIST is one who practices OPTOMETRY. The practice of Optometry is defined to be the employment of any method or means other than the use of drugs for the measurement of the powers of vision and the adaptation of lenses for the aid thereof.

Arthur W. Rice, O. D.
Optometrist

Room 210 Pleasant Chambers
22 PLEASANT ST., WORCESTER

DRAWING INSTRUMENTS AND MATERIAL

Tech Stationery

Repair of all kinds of

Fountain Pens, Jewelry and Watches

LUNDBERG & CO., INC.

315 Main Street

SCHOOL SUPPLIES

Special Prices to all Tech Students on Loose-leaf Memo Books and Sheets, Fountain Pens, Ever Sharp Pencils, Graff Paper, Typewriters.

Try Our Prices And Be Convinced

NARCUS BROS.

24 PLEASANT ST.

Ballou's
Paint Store

The Blue Paint Store

Save You Money

INTERCOLLEGIATES

Harvard

Authorities at Harvard and Tufts medical schools have both asked Mayor Curley of Boston to introduce an ordinance which would provide for the sharing of the city's excess felines and canines between the two schools, for vivisection purposes. Each feels that the other should have no more right to the stray cats and dogs than themselves, and they believe that money can be saved at both institutions by having such an ordinance.

Harvard awards a chess cup to the Hall in the Freshman Dormitory which wins their annual tournament. This becomes the property of the Hall which wins the cup for three times.

Among the 6,000 odd students registered this fall at Harvard, Colonel George H. Lyon, Jr., of Nelson, Neb., is the oldest. Col. Nelson is seventy-two and in his third year of post-graduate work.

Rutgers

Rutgers claims unique "Mutt and Jeff" combination. Howard Raub, football captain, weighs 243 pounds, and is six feet, two inches above the ground. A backfield player tips the scales at 140, and is four feet, eleven inches short.

The French universities, which in 1919 had only sixty-one students from the United States, have now enrolled (June, 1922) a total of 1348 Americans, nearly half of whom are women. These students are distributed among very nearly all the French institutions of higher learning. They represent forty-six states of the Union and one hundred and seventy-four American colleges and universities. Although study is principally in Paris, there is at least one American in fifteen of the sixteen French provincial universities, and the Americans are represented in forty-nine different institutions.

Yale

Yale's basketball schedule, as announced last week, contains just half as many games as last year. They are playing nineteen games, beginning late in the season with the University of Buffalo, and ending March 17 with the second game with Harvard at Boston. The other games on their schedule are with the University of Rochester, Crescent Athletic Association, Trinity, Brown, Cornell, Dartmouth, Union, Columbia, Pennsylvania, Harvard, Princeton and Wesleyan. Wesleyan plays Yale on February 26 at New Haven.

L. B. WHEATON

PHOTOGRAPHIC SUPPLIES
CAMERAS
FOUNTAIN PENS

Developing and Printing

108 Main Street Worcester

TYPEWRITING

CARRIE F. BROWN

MULTIGRAPHING

Park 516

516 State Mutual

E. W. DURGIN

Jeweler and Optician



Diamonds, Watches, Jewelry
and Optical Goods
Eyes Examined
Tech Seals and Jewelry
Expert Repairing
Standard Time By Wireless
588 MAIN STREET
Opp. Postoffice

Smith College

If it were not for a new heating system which had been installed in the power house, Smith College might have been forced to close its doors this winter. But as it is, about 35,000 barrels of oil are ordered, or are on hand, which is the amount needed for fuel.

M. I. T.

The M. I. T. Radio Society announces that it will accept messages from any students of technology for transportation free of charge to any part of the United States or the Hawaiian Islands. Prompt delivery of these messages to their destinations is assured by the fact that the Technology station has consistent communication with the South and Middle West. It is also expected that the Institute station will have two way communication with England and probably France.

Amherst

New rules are being drawn up for future Sabrina operations. Sabrina is the statue which is annually battled for by the odd and even numbered classes, and a committee has been appointed to draw up rules so that the element of chance will enter more into the capture or retention of Sabrina, reducing expenses and making the general atmosphere surrounding Sabrina activities more sportsmanlike. The object of the rules is to arouse new enthusiasm, as well as to revive a tradition unique at Amherst.

Williams

Ground was recently broken at Williams for a new freshman dormitory, which it is hoped will be finished by next fall. The building is to complete the Chapin and Williams Halls Quadrangle, as now proposed, and involves the destruction of four tennis courts. There will be more smaller rooms and more single rooms in the new building, so that the cheapest possible rooms may be offered to those freshmen who are of modest means. The total construction expenses are estimated at \$60,000, and the materials used are to be dark red brick, laid up in Flemish bond, and trimmings of Indiana limestone.

COMPLIMENTS

OF

THE BANCROFT

THE JOURNAL
IS PUBLISHED BY
THE ALUMNI ASSOCIATION

It is a bond between
Graduates and Under-Graduates
AND DESERVES
The Encouragement of Both

The Smartest
Coats in Town!

PAR-KERRY O'COATS

—designed at Fashion Park especially for Young Fellows.

WARE PRATT CO.

"Quality Corner"

New Hampshire State

A joint committee of faculty and students named to consider winter sports has recommended the expenditure of \$1,000 on a ski jump and skating rink. The erection of a fifty foot tower with concrete piers on a site a mile and a half from the campus to enable jumpers to make 100 feet is recommended.

Brown

On account of the annoyance caused by the playing of musical instruments during recitation hours and late at night, the faculty has decreed that four of the dormitories refrain from the use of musical instruments at stated hours during the day and that the occupants of all the dormitories discontinue their impromptu musicales after 10 p. m.

New York University

Two semester hours' credit are granted to staff of "New York University News" Board.

Colgate

The Colgate Tag Day yielded two hundred and fifty dollars which will enable the committee to purchase sheepskin coats for the football men. Interest in the idea was keen even to the purchase of C Tags by the townspeople and visitors at the game.

Mercer University

Down in Macon, Ga., the sophomores violated the anti-bazing laws of the institution by paddling the freshmen men with thick paddles, straps and other unyielding substances, to such an extent to warrant action on the part of the University president who rules that such treatment should be likewise inflicted on the second-year men. Seniors in the University were the executors of this decision.

A Put Up Job

"You had to hold me up to do it," said the sweet young thing, after the big tall man had stolen a kiss.



36 PLEASANT STREET

BIRTHDAY CARDS
GREETING CARDS
CHRISTMAS CARDS
EASTER CARDS

Anything That's Printed



TECH

Society and Fraternity Insignia

Manufactured by

The Thomas O. Gard Co., Inc.
103 Main St., Worcester, 11 Maiden Lane, N. Y.

INSTRUCTION

On Banjo, Mandolin and Guitar

"Gibson" and "Vega" Instruments
For Sale

HENRY L. HOKANS

30 ELM STREET

Phone Park 6320

RADIO

If you want supplies that are RIGHT, just drop in and talk with us. We also carry everything Electrical

ECONOMY ELECTRIC
COMPANY

22 FOSTER STREET

BARBERING

TECH MEN: For a classy hair cut try

FANCY'S

52 Main St. Next door to Station A

Good Cutters No Long Waits

Six Barbers

HEADQUARTERS FOR

Drawing Instruments

Slide Rules

Mathematical Supplies

C. C. LOWELL & CO.

17 Pearl Street, Worcester



311 MAIN ST.

'YOUR GROOM'

Perfect Pressing Service

SPECIAL STUDENT RATES

PROMPT DELIVERY

Call P-7465 or

E. M. Logan, '24, P-50928

STATE MUTUAL BARBER SHOP

Tech Boys are good patrons of ours because they are discriminating in their tastes and WANT THE BEST. Our Five Artists take great pleasure in doing work for College boys, AND KNOW HOW to do the kind you like.

SIXTH FLOOR
Four Elevators at Your Service

PHILLIP PHILLIPS, Prop.